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To address this issue, a new PV panel condition monitoring and fault diagnosis technique is developed in this paper. The new technique uses a U-Net neural network and a classifier in ...

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We collected infrared image data from a photovoltaic power station in Liaoning Province, China, using a DJI Matrice 300 UAV equipped with an XT2 thermal camera.

Drones can precisely identify and locate defects in solar farms by utilizing high-definition visible light and thermal imaging. This facilitates early fault detection and preventive maintenance, thereby improving ...

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A new PV panel condition monitoring and fault diagnosis technique that uses a U-Net neural network and a classifier in combination to intelligently analyse the PV panel's infrared thermal ...



DJI infrared analysis of photovoltaic panels

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